

A LIST OF SPECIES OF SHELLS DESCRIBED BY DR. GRATELOUP,
WITH CRITICAL NOTES.

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THE species here listed formed part of the collection of the late Dr. J. P. S. de Grateloup, of Bordeaux. It has recently been broken up, and the types of the species enumerated are now in the British Museum. They were described by Dr. Grateloup in the *Actes de la Soc. Linn. de Bordeaux*, vol. xi (1839), pp. 389-455, but unfortunately about a dozen of the species there described could not be found.

The plates illustrating Dr. Grateloup's paper are badly drawn, some of the figures being more or less misleading; the localities given in the text are not all correct, and some are known to be quite erroneous.

The type-specimens were in card trays with labels giving the localities and references to the plates and figures.

I am indebted to Mr. Edgar Smith for friendly co-operation in making comparisons with some of these types.

Pyrula Bengalina. Mr. E. A. Smith has already read a note upon this shell (see p. 3).

Scalaria clementina.

Melania Madagascariensis.

M. Riquetii.

Helix Bombayana. (*Xestina*.)

H. alauda, var. *bizonalis*. (*Cepolis*.)

H. chlorozona. (*Ampelita*.)

H. depicta. I take this to be a young specimen of *Cepolis* (*Coryda alauda*, var. *hebe*, Dohrn.

H. fuscolutea. A *Xesta*, like a miniature *X. Crespignyi*, Higg., but quite distinct from that species.

H. monodonta. *Cepolis* (*Plagiptycha*).

H. oviformis. A dead and worn specimen of *Helicophanta Goudotiana*, Fér., quite distinct from *Helicophanta oomorpha*, Mabilie (= *oviformis*, var. *phenax*, Pils.), with which it has often been confounded.

H. polychroa, var. *picturata*. (*Cochlostyla*.)

H. porcellana. A worn and damaged specimen with peristomal callosities similar to *Cepolis*, but with the general form and smoothness of *Planispira*. In Martens, *Preuss. Exped. Ost-Asien*, Zool., vol. ii, p. 302, it is said to have been found at Lombok Island; if so, it should be placed in the section *Vulnus* of *Planispira* proposed by E. R. Sykes, *Journ. of Malac.*, vol. xi (1904), p. 88.

H. pseudoparilis. As suggested by Pfeiffer, a young and edentate *Pleurodonta* (*Caprinus*) *parilis*, Fér.

H. rufescens. *Hemiplecta Grateloupi*, Pfr. (= *rufescens*, Grat., non Penn.). This species is allied to *ambrachys* and *eos* of Dohrn from Madagascar, and not to *Xesta* (*Eurypus*) *Pfeifferi*, Phil., as suggested by Pfeiffer.

H. trizonalis. This is the shell figured and described by Dr. Pilsbry in Tryon's "Manual of Conchology," vol. v, p. 94, pl. xlix, figs. 65-67, as *Cepolis trizonalis*, var. *trizonella*; although closely allied, it is quite distinct from the *trizonalis* of various authors, which species I propose to name *Cepolis definita*. Grateloup's figure makes the shell appear globose, instead of depressed-globose.

Caracolla smaragdina. Is a young specimen of *Corasia reginæ*, Brod.

C. Terveriana. A rather small specimen of *Ampelita lancula*, Fér.

Partula Bataviae. Professor von Martens suggested (Preuss. Exped. Ost-Asien, Zool., vol. ii, p. 398) that this was perhaps *Amphidromus sinistralis*; after careful examination I believe it to be a small specimen of *Amphidromus Adamsi*, var. *rubiginosa*, Fult. The locality given by Grateloup, viz. Java, is probably incorrect.

Bulinus magnificus. *Strophocheilus (Thaumastus) magnificus*.

Achatina kercadonis. (*Perideris*.)

A. Leaiana. Is *Pseudachatina Downesi*, Gray.

Clausilia Laterradii. Grateloup's figure of this shell is not good; the peristome should be more in line with the spire, as in Pilsbry's figure of *Brachypodella (Strophina) Laterradii*, var. *strophina*, Pils. (Tryon's Manual of Conch., vol. xvi, p. 56, pl. viii, figs. 59, 60), which is a seven-whorled specimen of *Laterradii*. In the British Museum there are three specimens from the Cuming Collection, having 7, 8, and 9 whorls respectively; they are from Beate Island, San Domingo (Capt. Suensen). The type-specimen has nearly 10 whorls, with coarse, rather widely spaced oblique ribs; its form is somewhat cylindrical, narrowing slightly from the fourth to the last whorl.

Cyclostoma Abeillei.

C. Arthurii. Is *C. pulchrum*, Gray.

C. Arthurii, var. *albida*. A dead and bleached *C. pulchrum*, Gray.

C. Duisabonis. = *C. unicarinatum*, Lamk., var.

C. hæmastoma:

C. helicoides. (*Leptopoma*.)

C. ligatula.

C. Michaudii.

C. Moulinsii. The type is a young specimen, which accounts for "labro acutissimo" in the original description.

C. multifasciata.

C. philippi. Is *C. hæmastoma*.

C. punctata. (*Cyclophorus*.)

C. spurca. This is, in my opinion, a bleached specimen of *Neocyclotus translucidus*, Sow. Grateloup's locality, Bombay, is certainly wrong.

C. Terveriana. Is *C. articulatum*, Gray.

C. zebra. Judging by a specimen in the Grateloup Collection labelled *C. zebra* (not the type), it is *Cyclophorus tigrinus*, Sow.

Helicina citrina.

Moulinsia Nunezii. Is *M. grandis*, Gray.